

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/30/2019 10/30/2019	Makar Sokol

LM Start		Rating **	A	Issue No.	12
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_NA0019_01_f_2019_12				
Comment Code					
Inspector Comment					
The LMA has O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	13
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_NA0019_01_s_2013_13				
Comment Code					
Inspector Comment					
The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	14
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_NA0019_01_s_2013_14				
Comment Code					
Inspector Comment					
The LMA completed flood fight training in 2017.					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/30/2019 10/30/2019	Makar Sokol

LM Start	0.01	Rating **	C	Issue No.	17
LM End	0.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.973111 °	39.973111 °
				-121.980466 °	-121.980466 °
DWR ID	DWR_NA0019_01_s_2013_17				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

No Photos

LM Start	0.41	Rating **	A/W	Issue No.	18
LM End	0.41	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.972560 °	39.972560 °
				-121.987759 °	-121.987759 °
DWR ID	DWR_NA0019_01_s_2013_18				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0019_78_18_20190822_00006.jpg



View of the erosion along the landside slope.

LM Start	0.45	Rating **	C	Issue No.	276
LM End	0.45	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.972377 °	39.972377 °
				-121.988559 °	-121.988559 °
DWR ID	DWR_NA0019_01_s_2014_276				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Unit No. 01 Deer Creek	Left	4.22	10/30/2019 10/30/2019	Makar Sokol

LM Start	1.55	Rating **	A/W	Issue No.	42 (cont)
LM End	1.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.969193°	39.969052°
				-122.008458°	-122.008920°
DWR ID	DWR_NA0019_01_s_2017_42				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 2 of 3 : FA_2019_NA0019_78_42_20190822_00015.jpg



View of the erosion along the waterside toe. Spring 2019.

LM Start	1.55	Rating **	A/W	Issue No.	42 (cont)
LM End	1.58	Issue Type +	Ma	Location *	WS

Photo 3 of 3 : FA_2019_NA0019_78_42_20190822_00014.jpg



View of the erosion along the waterside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/30/2019 10/30/2019	Makar Sokol

LM Start	1.56	Rating **	A/W	Issue No.	49
LM End	1.56	Issue Type +	Ma	Location *	WS
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		39.969169 °	39.969169 °	
			-122.008643 °	-122.008643 °	
DWR ID	LMA-500				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Significant erosion on the waterside slope, 8-10 foot vertical bank for approximately 100-150?. Site ID No: 585 Site Designation: LMA-500 Repair Type: Erosion Rating: Critical Field Date: 9/6/2017 Notes: Photos from during the 2017 storm event are attached and cover all of the sites in this RD.					

No Photos

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U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/30/2019 10/30/2019	Makar Sokol

LM Start	1.67	Rating **	M	Issue No.	285	
LM End	1.67	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.968642 °	39.968642 °	
				-122.010494 °	-122.010494 °	
DWR ID	20770					
Comment Code						
Inspector Comment						
DS_ID:20770 FS_ID:54006 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2019 Pipe end on WS has been cleared from sediment buildup to let flap gate close properly, but the rest of pipe is still silted inside. Flap gate was fixed and operable now. (O.Yakimov - DWR UCIP)10/15/2018 Flap gate on WS end stuck open. Lower part of pipe is silted that makes impossible flap gate to fully close. Needs sediment cleanup around pipe outlet on WS. (O.Yakimov - DWR)12/05/2016 Sediment buildup inside pipe (see photo) and sediment buildup on WS blocking flap gate. Crossing has been downgraded from Urgent to Non-Urgent crossing was closed on both WS and LS. (O. Magana - DWR UCIP)10/02/2013 Flapgate blocked by soil buildup. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch steel drainage pipe through the levee, 1.5 feet below the crown. Flap gate on the waterside (WS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit 509, March 1957, As-built drawings available 50-4-2394 (Station 185+40)]. FS Date: 5/14/2019 3:33:54 PM						

Photo 1 of 3 : UCIP_FA_2019_54006_79261.jpg



LS view of concrete headwall with wood panel blocking opening

LM Start	1.67	Rating **	M	Issue No.	285 (cont)
LM End	1.67	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_54006_79262.jpg



Flap gate at WS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Deer Creek	Left	4.22	10/30/2019 10/30/2019	Makar Sokol

LM Start	1.67	Rating **	M	Issue No.	285 (cont)	
LM End	1.67	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.968642 °	39.968642 °	
				-122.010494 °	-122.010494 °	
DWR ID	20770					
Comment Code						
Inspector Comment						
DS_ID:20770 FS_ID:54006 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2019 Pipe end on WS has been cleared from sediment buildup to let flap gate close properly, but the rest of pipe is still silted inside. Flap gate was fixed and operable now. (O.Yakimov - DWR UCIP)10/15/2018 Flap gate on WS end stuck open. Lower part of pipe is silted that makes impossible flap gate to fully close. Needs sediment cleanup around pipe outlet on WS. (O.Yakimov - DWR)12/05/2016 Sediment buildup inside pipe (see photo) and sediment buildup on WS blocking flap gate. Crossing has been downgraded from Urgent to Non-Urgent crossing was closed on both WS and LS. (O. Magana - DWR UCIP)10/02/2013 Flapgate blocked by soil buildup. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch steel drainage pipe through the levee, 1.5 feet below the crown. Flap gate on the waterside (WS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit 509, March 1957, As-built drawings available 50-4-2394 (Station 185+40)]. FS Date: 5/14/2019 3:33:54 PM						

Photo 3 of 3 : UCIP_FA_2019_54006_79263.jpg



Sediment was cleared around flap gate

LM Start	1.85	Rating **	M	Issue No.	32
LM End	1.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.969223 °	39.969223 °
				-122.013351 °	-122.013351 °
DWR ID	DWR_NA0019_01_f_2016_32				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/30/2019 10/30/2019	Makar Sokol

LM Start	1.89	Rating **	U	Issue No.	287	
LM End	1.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.969105°	39.969105°	
				-122.014028°	-122.014028°	
DWR ID	20769					
Comment Code						
Inspector Comment						
DS_ID:20769 FS_ID:54008 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 05/14/2019 Same as last inspection. Flapgate on WS is missing, pipe partially blocked with sedimen. (O.Yakimov - DWR UCIP)10/15/2018 Flapgate on WS is missing, pipe partially blocked with sediment. (O.Yakimov - DWR)12/05/2016 same as last inspection. Crossing remains "Urgent" WS opened during flood season due to damaged flap gate. (O. Magana - DWR UCIP)10/02/2013 Flapgate missing or burried on WS toe. Pipe partially blocked by soil on WS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Flap gate located on the waterside (WS) end. A 5-foot by 5-foot concrete control structure located on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit 509, March 1957, As-built drawing no. 50-4-2394 (Station 176+10)]. FS Date: 5/14/2019 4:05:54 PM						

LM Start	1.89	Rating **	U	Issue No.	287 (cont)
LM End	1.89	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_FA_2019_54008_79270.jpg



Overview of levee crown where pipe crosses

Photo 2 of 3 : UCIP_FA_2019_54008_79271.jpg



Partially silted pipe at WS toe missing flap gate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Deer Creek	Left	4.22	10/30/2019 10/30/2019	Makar Sokol

LM Start	1.89	Rating **	U	Issue No.	287 (cont)	
LM End	1.89	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.969105 °	39.969105 °	
				-122.014028 °	-122.014028 °	
DWR ID	20769					
Comment Code						
Inspector Comment						
DS_ID:20769 FS_ID:54008 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 05/14/2019 Same as last inspection. Flapgate on WS is missing, pipe partially blocked with sedimen. (O.Yakimov - DWR UCIP)10/15/2018 Flapgate on WS is missing, pipe partially blocked with sediment. (O.Yakimov - DWR)12/05/2016 same as last inspection. Crossing remains "Urgent" WS opened during flood season due to damaged flap gate. (O. Magana - DWR UCIP)10/02/2013 Flapgate missing or buried on WS toe. Pipe partially blocked by soil on WS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 7 feet below the crown. Flap gate located on the waterside (WS) end. A 5-foot by 5-foot concrete control structure located on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit 509, March 1957, As-built drawing no. 50-4-2394 (Station 176+10)]. FS Date: 5/14/2019 4:05:54 PM						

Photo 3 of 3 : UCIP_FA_2019_54008_79268.jpg



Concrete outfall structure at LS toe and irrigation canal

LM Start	1.94	Rating **	M	Issue No.	40
LM End	1.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.969028 °	39.969028 °
				-122.015000 °	-122.015000 °
DWR ID	DWR_NA0019_01_s_2019_40				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the landside toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/30/2019 10/30/2019	Makar Sokol

LM Start	2.07	Rating **	M	Issue No.	47
LM End	2.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.968017 °	39.968017 °	
			-122.017025 °	-122.017025 °	
DWR ID	DWR_NA0019_01_s _ 2019_47				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the landside toe.					

No Photos

LM Start	2.07	Rating **	M	Issue No.	48
LM End	2.07	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.968006 °	39.968006 °	
			-122.017035 °	-122.017035 °	
DWR ID	DWR_NA0019_01_s _ 2019_48				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
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 En : Enforcement

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Unit No. 01 Deer Creek	Left	4.22	10/30/2019 10/30/2019	Makar Sokol

LM Start	2.55	Rating **	A/W	Issue No.	46
LM End	2.58	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		39.966661 °	39.966330 °	
			-122.025369 °	-122.025850 °	
DWR ID	LMA-23				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Site ID No:176 Site Designation:LMA-23 Repair Type: Erosion Rating:Area of Concern Field Date:6/6/2017 Notes: Problem area is not within the levee prism. The erosion exists near the crest.					

No Photos

LM Start	2.57	Rating **	M	Issue No.	290
LM End	2.57	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP LMA Responsibility		39.966363 °	39.966363 °	
			-122.025755 °	-122.025755 °	
DWR ID	20877				
Comment Code					
Inspector Comment					
DS_ID:20877 FS_ID:54011 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2019 Pipe outlet and headwall were excavated to evaluate pipe condition. Pipe is completely filled with soil that makes impossible to clear it for DMP internal video inspection. Pipe may be rehabilitated under DMP Phase II or removed. Excavated soil was backfilled. (O.Yakimov - DWR UCIP)Headwall covered with soil. Needs to be cleared at both ends. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee 5-feet below the crown. Calco automatic drainage gate. Originally included in O+M manual (1957). As-built drawings available 50-4-2394. FS Date: 5/14/2019 8:37:31 AM					

Photo 1 of 3 : UCIP_FA_2019_54011_79272.jpg



Concrete headwall on LS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Deer Creek	Left	4.22	10/30/2019 10/30/2019	Makar Sokol

LM Start	2.57	Rating **	M	Issue No.	290 (cont)	
LM End	2.57	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.966363 °	39.966363 °	
				-122.025755 °	-122.025755 °	
DWR ID	20877					
Comment Code						
Inspector Comment						
DS_ID:20877 FS_ID:54011 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2019 Pipe outlet and headwall were excavated to evaluate pipe condition. Pipe is completely filled with soil that makes impossible to clear it for DMP internal video inspection. Pipe may be rehabilitated under DMP Phase II or removed. Excavated soil was backfilled. (O.Yakimov - DWR UCIP)Headwall covered with soil. Needs to be cleared at both ends. FIELD_STRUCT_DESC: 24-inch corrugated metal pipe through the levee 5-feet below the crown. Calco automatic drainage gate. Originally included in O+M manual (1957). As-built drawings available 50-4-2394. FS Date: 5/14/2019 8:37:31 AM						

Photo 2 of 3 : UCIP_FA_2019_54011_79273.jpg



Concrete headwall on LS toe: top of pipe visible

LM Start	2.57	Rating **	M	Issue No.	290 (cont)
LM End	2.57	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_54011_79274.jpg



Pipe outlet discovered at WS toe. Visible gap between flap gate and pipe

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Unit No. 01 Deer Creek	Left	4.22	10/30/2019 10/30/2019	Makar Sokol

LM Start	2.75	Rating **	A/W	Issue No.	45
LM End	2.75	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		39.964900°	39.965030°	
			-122.029000°	-122.028700°	
DWR ID	LMA-72				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:271					
Site Designation:LMA-72					
Repair Type: Erosion					
Rating:Serious					
Field Date:6/6/2017					
Notes:					

No Photos

LM Start	2.76	Rating **	A/W	Issue No.	43
LM End	2.78	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.964990°	39.964763°	
			-122.028740°	-122.029082°	
DWR ID	DWR_NA0019_01_s_2017_43				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0019_78_43_20190822_00016.jpg



View of erosion along waterside toe.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
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U : Unacceptable
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C : Corrected
A/W : Acceptable but Monitor & Maintain

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Unit No. 01 Deer Creek	Left	4.22	10/30/2019 10/30/2019	Makar Sokol

LM Start	2.78	Rating **	C	Issue No.	50
LM End	2.78	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.964798 °	39.964798 °
				-122.028988 °	-122.028988 °
DWR ID	DWR_NA0019_01_s_2019_50				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.86	Rating **	M	Issue No.	291
LM End	2.86	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.963938 °	39.963938 °
				-122.030128 °	-122.030128 °
DWR ID	20767				
Comment Code					
Inspector Comment					
DS_ID:20767 FS_ID:54012 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2019 Pipe outlet and headwall were excavated to evaluate pipe condition. Discovered a concrete pipe that connects nearby ditch with inlet of this crossing to drain water from the ditch. Cleared pipe outlet at WS toe. (O.Yakimov - DWR UCIP) Pipe blocked by soil. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 509, March 1957, (Assumed Station 137+50) Drawing No. 50-4-2394]. FS Date: 5/14/2019 9:02:19 AM					

Photo 1 of 3 : UCIP_FA_2019_54012_79276.jpg



Headwal and concrete pipe at LS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/30/2019 10/30/2019	Makar Sokol

LM Start	2.86	Rating **	M	Issue No.	291 (cont)	
LM End	2.86	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.963938 °	39.963938 °	
				-122.030128 °	-122.030128 °	
DWR ID	20767					
Comment Code						
Inspector Comment						
DS_ID:20767 FS_ID:54012 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2019 Pipe outlet and headwall were excavated to evaluate pipe condition. Discovered a concrete pipe that connects nearby ditch with inlet of this crossing to drain water from the ditch. Cleared pipe outlet at WS toe. (O.Yakimov - DWR UCIP) Pipe blocked by soil. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 6 feet below the crown. Flap gate on the waterside (WS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 509, March 1957, (Assumed Station 137+50) Drawing No. 50-4-2394]. FS Date: 5/14/2019 9:02:19 AM						

Photo 2 of 3 : UCIP_FA_2019_54012_79277.jpg



View of landside with headwall at the toe

LM Start	2.86	Rating **	M	Issue No.	291 (cont)
LM End	2.86	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_54012_79278.jpg



Pipe outlet with flap gate at WS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/30/2019 10/30/2019	Makar Sokol

LM Start	2.88	Rating **	A/W	Issue No.	20
LM End	2.88	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.963709 °	39.963709 °
				-122.030384 °	-122.030384 °
DWR ID	DWR_NA0019_01_s_2013_20				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0019_78_20_20190822_00008.jpg



View of the instability along the landside slope.

LM Start	2.93	Rating **	C	Issue No.	52
LM End	2.93	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.963194 °	39.963194 °
				-122.031035 °	-122.031035 °
DWR ID	DWR_NA0019_01_s_2019_52				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.40	Rating **	C	Issue No.	53
LM End	3.40	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.946908 °	39.946908 °
				-122.050770 °	-122.050770 °
DWR ID	DWR_NA0019_01_s_2019_53				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The fallen tree should be removed from the crown.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/30/2019 10/30/2019	Makar Sokol

LM Start	3.46	Rating **	M	Issue No.	34
LM End	3.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.946831 °	39.946831 °
				-122.051940 °	-122.051940 °
DWR ID	DWR_NA0019_01_f_2016_34				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	3.58	Rating **	M	Issue No.	35
LM End	3.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.946051 °	39.946051 °
				-122.053985 °	-122.053985 °
DWR ID	DWR_NA0019_01_f_2016_35				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0019_78_35_20190822_00011.jpg



View of the vegetation along the landside slope and toe.

LM Start	3.68	Rating **	M	Issue No.	15
LM End	3.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.945045 °	39.945045 °
				-122.053469 °	-122.053469 °
DWR ID	DWR_NA0019_01_f_2012_15				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0019_78_15_20190822_00003.jpg



View of the instability caused by livestock along the landside slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/30/2019 10/30/2019	Makar Sokol

LM Start	3.75	Rating **	C	Issue No.	16
LM End	3.75	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.944407°	39.944407°	
			-122.054104°	-122.054104°	
DWR ID	DWR_NA0019_01_f_2016_16				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	3.99	Rating **	M	Issue No.	44
LM End	3.99	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.941990°	39.941990°	
			-122.057140°	-122.057140°	
DWR ID	DWR_NA0019_01_f_2018_44				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The tree should be removed from the waterside slope.					

Photo 1 of 1 : FA_2019_NA0019_78_44_20190822_00017.jpg



View of the tree limb along the waterside slope.

*** Location**

LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/30/2019 10/30/2019	Makar Sokol

LM Start	4.03	Rating **	M	Issue No.	302
LM End	4.03	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			39.941574 °	39.941574 °
				-122.057597 °	-122.057597 °
DWR ID	20760				
Comment Code					
Inspector Comment					
DS_ID:20760 FS_ID:54023 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2019 No issues recorded during inspection. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Flap gate on the waterside (WS) end. Headwalls on both sides of levee. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 509, March 1957, (Assumed Station 5+00) Drawing No. 50-4-2394]. FS Date: 5/14/2019 10:53:58 AM					

Photo 1 of 3 : UCIP_FA_2019_54023_79298.jpg



Headwall and pipe inlet at LS toe

LM Start	4.03	Rating **	M	Issue No.	302 (cont)
LM End	4.03	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_54023_79299.jpg



View of levee crown at the crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/30/2019 10/30/2019	Makar Sokol

LM Start	4.03	Rating **	M	Issue No.	302 (cont)	
LM End	4.03	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.941574 °	39.941574 °	
				-122.057597 °	-122.057597 °	
DWR ID	20760					
Comment Code						
Inspector Comment						
DS_ID:20760						
FS_ID:54023						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/14/2019 No issues recorded during inspection.						
(O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe						
through the levee, 5 feet below the crown. Flap gate on the waterside						
(WS) end. Headwalls on both sides of levee. [Additional Reference(s):						
DWR Levee Log, 1992. USACE Sacramento O&M Manual 509, March						
1957, (Assumed Station 5+00) Drawing No. 50-4-2394].						
FS Date: 5/14/2019 10:53:58 AM						

Photo 3 of 3 : UCIP_FA_2019_54023_79300.jpg



Pipe and flap gate at WS slope

LM Start	4.03	Rating **	C	Issue No.	54
LM End	4.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.941567 °	39.941567 °
				-122.057618 °	-122.057618 °
DWR ID	DWR_NA0019_01_s_2019_54				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/30/2019 10/30/2019	Makar Sokol

LM Start	4.11	Rating **	U	Issue No.	303	
LM End	4.11	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.940933 °	39.940933 °	
				-122.058894 °	-122.058894 °	
DWR ID	20762					
Comment Code						
Inspector Comment						
DS_ID:20762 FS_ID:54024 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 05/14/2019 Missing flap gate, pipe outlet is silted. (O.Yakimov - DWR UCIP)10/15/2018 Missing flap gate at WS end of the pipe. Pipe is partially blocked with silt. Updated coordinates and CLM. (O.Yakimov - DWR)12/05/2016 unable to complete inspection -- unable to locate. (O. Magana - DWR UCIP)10/03/2013 Gate missing from WS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.5 feet below the crown. Flap gate located on the waterside (WS) end. Concrete headwall located on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit 509, March 1957, As-built drawing no. 50-4-2394 (Station 0+65)]. FS Date: 5/14/2019 11:01:16 AM						

Photo 1 of 3 : UCIP_FA_2019_54024_79304.jpg



Headwall and inlet at LS toe

LM Start	4.11	Rating **	U	Issue No.	303 (cont)
LM End	4.11	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_54024_79305.jpg



Inside view of pipe looking from LS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.22	10/30/2019 10/30/2019	Makar Sokol

LM Start	4.11	Rating **	U	Issue No.	303 (cont)	
LM End	4.11	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			39.940933 °	39.940933 °	
				-122.058894 °	-122.058894 °	
DWR ID	20762					
Comment Code						
Inspector Comment						
DS_ID:20762 FS_ID:54024 EP_NO: N/A Repair Type: Urgent Crossing Status: Found UCIP Comments: 05/14/2019 Missing flap gate, pipe outlet is silted. (O.Yakimov - DWR UCIP)10/15/2018 Missing flap gate at WS end of the pipe. Pipe is partially blocked with silt. Updated coordinates and CLM. (O.Yakimov - DWR)12/05/2016 unable to complete inspection -- unable to locate. (O. Magana - DWR UCIP)10/03/2013 Gate missing from WS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.5 feet below the crown. Flap gate located on the waterside (WS) end. Concrete headwall located on the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit 509, March 1957, As-built drawing no. 50-4-2394 (Station 0+65)]. FS Date: 5/14/2019 11:01:16 AM						

Photo 3 of 3 : UCIP_FA_2019_54024_79303.jpg



View of levee crown at the crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.89	10/30/2019 10/30/2019	Makar Sokol

LM Start	0.13	Rating **	M	Issue No.	5
LM End	0.13	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.970452°	39.970452°
				-122.011315°	-122.011315°
DWR ID	DWR_NA0019_02_s_2019_5				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.23	Rating **	M	Issue No.	13
LM End	0.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.970598 °	39.970598 °
				-122.013053 °	-122.013053 °
DWR ID	DWR_NA0019_02_f_2016_13				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					
Remove trees smaller than 4-inches in diameter at chest height.					

Photo 1 of 1 : FA_2019_NA0019_79_13_20190822_00007.jpg



View of a tree with new thick growth blocking visibility.

LM Start	0.30	Rating **	C	Issue No.	2
LM End	0.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.970305 °	39.970305 °
				-122.014465 °	-122.014465 °
DWR ID	DWR_NA0019_02_s_2012_2				
Comment Code					
DE : Debris					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.89	10/30/2019 10/30/2019	Makar Sokol

LM Start	0.68	Rating **	M	Issue No.	21	
LM End	0.68	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.968818 °		39.968818 °
				-122.020904 °		-122.020904 °
DWR ID	20771					
Comment Code						
Inspector Comment						
DS_ID:20771 FS_ID:53997 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2019 Pipe is 50% silted throughout its entire lenght. Flap gate on WS is partially buried in mud that affects proper operation, visible gap between flap gate and pipe. Pipe crosses levee at an angle. (O.Yakimov - DWR UCIP)12/05/2016 Crossing has been downgraded from Urgent to Non-Urgent some debris blocking proper function of flapgate on WS. Recommend clearing debris from WS for flapgate to function properly. (O. Magana - DWR UCIP)10/01/2013 Debris blocking proper function of flapgate on WS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch steel drainage pipe through the levee, 8.3 feet below the crown. Flap gate located on the waterside (WS) end. Concrete headwall located on the landside (LS). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit 509, March 1957, Unit 510, April 1963, Unit 511, May 1973, Unit 512, March 1964, Unit 513, December 1970, As-builts drawing 50-4-2394 (Station 155+40)]. FS Date: 5/14/2019 1:15:18 PM						

Photo 1 of 3 : UCIP_FA_2019_53997_79240.jpg



View of pipe from LS

LM Start	0.68	Rating **	M	Issue No.	21 (cont)
LM End	0.68	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_53997_79241.jpg



Flapgate on WS outlet

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.89	10/30/2019 10/30/2019	Makar Sokol

LM Start	0.68	Rating **	M	Issue No.	21 (cont)	
LM End	0.68	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			39.968818 °		39.968818 °
				-122.020904 °		-122.020904 °
DWR ID	20771					
Comment Code						
Inspector Comment						
DS_ID:20771 FS_ID:53997 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/14/2019 Pipe is 50% silted throughout its entire lenght. Flap gate on WS is partially buried in mud that affects proper operation, visible gap between flap gate and pipe. Pipe crosses levee at an angle. (O.Yakimov - DWR UCIP)12/05/2016 Crossing has been downgraded from Urgent to Non-Urgent some debris blocking proper function of flapgate on WS. Recommend clearing debris from WS for flapgate to function properly. (O. Magana - DWR UCIP)10/01/2013 Debris blocking proper function of flapgate on WS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 24-inch steel drainage pipe through the levee, 8.3 feet below the crown. Flap gate located on the waterside (WS) end. Concrete headwall located on the landside (LS). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual Unit 509, March 1957, Unit 510, April 1963, Unit 511, May 1973, Unit 512, March 1964, Unit 513, December 1970, As-builts drawing 50-4-2394 (Station 155+40)]. FS Date: 5/14/2019 1:15:18 PM						

Photo 3 of 3 : UCIP_FA_2019_53997_79238.jpg



Flapgate gap due to sediment buildup at the bottom of pipe

LM Start	0.81	Rating **	C	Issue No.	12
LM End	0.85	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.968530 °	39.968248 °
				-122.023305 °	-122.023900 °
DWR ID	DWR_NA0019_02_s_2017_12				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Regraded and gravel added.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.89	10/30/2019 10/30/2019	Makar Sokol

LM Start	0.81	Rating **	C	Issue No.	17
LM End	0.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Erosion / Bank Caving		39.968530 °	39.968248 °	
			-122.023305 °	-122.023900 °	
DWR ID	DWR_NA0019_02_s_2017_17				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Slope regraded and gravel added.					

No Photos

LM Start	0.82	Rating **	A/W	Issue No.	18
LM End	0.83	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	2017 Storm Damage		39.968560 °	39.968400 °	
			-122.023400 °	-122.023600 °	
DWR ID	LMA-24				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Site ID No:177 Site Designation:LMA-24 Repair Type: Erosion Rating:Area of Concern Field Date:6/6/2017 Notes: No real problem in concern to erosion is visible, the problem was this site had overtopping during 2017 storms. Solution would be to raise levee crest or any other form of raising the levee. Sandbags were present.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.89	10/30/2019 10/30/2019	Makar Sokol

LM Start	0.85	Rating **	M	Issue No.	1
LM End	0.90	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.968165°	39.967766°
				-122.023828°	-122.024620°
DWR ID	DWR_ST0010_02_f_2022_14				
Comment Code					
Inspector Comment					
2017 Site ID: DEC 0.9 R					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 2006 - Banks are composed of lithified cobble alluvial soils (relict alluvial fan deposits). Slow erosion of lithified lower bank materials with faster erosion of overlying less cohesive soils resulting in channel "skating" across lithified horizon. 2011 - The Deer Creek Watershed Conservation Group is planning a reach-wide repair for Deer Creek.					

No Photos

LM Start	1.17	Rating **	M	Issue No.	10
LM End	1.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.965721°	39.965721°
				-122.028993°	-122.028993°
DWR ID	DWR_NA0019_02_f_2019_10				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0019_79_10_20191101_00016.jpg



View of the vegetation along the landside slope. Fall 2019.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.89	10/30/2019 10/30/2019	Makar Sokol

LM Start	1.28	Rating **	C	Issue No.	8
LM End	1.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.964871 °	39.964871 °
				-122.030584 °	-122.030584 °
DWR ID	DWR_NA0019_02_s _ 2019_8				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trees four inches in diameter or less at the chest height should be removed from the landside toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	0.25	Rating **	M	Issue No.	917
LM End	0.25	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			40.051604 °	40.051604 °
				-122.184431 °	-122.184431 °
DWR ID	20775				
Comment Code					
Inspector Comment					
DS_ID:20775					
FS_ID:54114					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 05/28/2019 Debris at the outlet needs to be cleared for proper flap gate operation. (O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.26) Drawing No. 50-4-3622].					
FS Date: 5/28/2019 7:19:25 AM					

Photo 1 of 3 : UCIP_FA_2019_54114_79538.jpg



Top of Levee

LM Start	0.25	Rating **	M	Issue No.	917 (cont)
LM End	0.25	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_54114_79539.jpg



Water-Side

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	0.25	Rating **	M	Issue No.	917 (cont)	
LM End	0.25	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			40.051604 °		40.051604 °
				-122.184431 °		-122.184431 °
DWR ID	20775					
Comment Code						
Inspector Comment						
DS_ID:20775 FS_ID:54114 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/28/2019 Debris at the outlet needs to be cleared for proper flap gate operation. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.26) Drawing No. 50-4-3622]. FS Date: 5/28/2019 7:19:25 AM						

Photo 3 of 3 : UCIP_FA_2019_54114_79540.jpg



Land-Side

LM Start	0.26	Rating **	C	Issue No.	53
LM End	0.26	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			40.051613 °	40.051613 °
				-122.184364 °	-122.184364 °
DWR ID	DWR_NA0019_04_s_2019_53				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	0.34	Rating **	C	Issue No.	54
LM End	0.34	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			40.051602 °	40.051602 °
				-122.182842 °	-122.182842 °
DWR ID	DWR_NA0019_04_s_2019_54				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.38	Rating **	M	Issue No.	918	
LM End	0.38	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			40.051572 °		40.051572 °
				-122.182093 °		-122.182093 °
DWR ID	20776					
Comment Code						
Inspector Comment						
DS_ID:20776						
FS_ID:54115						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/28/2019 Debris at the outlet needs to be cleared for proper flap gate operation. (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.5 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.39) Drawing No. 50-4-3622].						
FS Date: 5/28/2019 9:41:55 AM						

Photo 1 of 3 : UCIP_FA_2019_54115_79545.jpg



Top of Levee

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	0.38	Rating **	M	Issue No.	918 (cont)	
LM End	0.38	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			40.051572 °		40.051572 °
				-122.182093 °		-122.182093 °
DWR ID	20776					
Comment Code						
Inspector Comment						
DS_ID:20776 FS_ID:54115 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/28/2019 Debris at the outlet needs to be cleared for proper flap gate operation. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.5 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.39) Drawing No. 50-4-3622]. FS Date: 5/28/2019 9:41:55 AM						

Photo 2 of 3 : UCIP_FA_2019_54115_79546.jpg



Water-Side

LM Start	0.38	Rating **	M	Issue No.	918 (cont)
LM End	0.38	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_54115_79547.jpg



Land-Side

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	0.47	Rating **	C	Issue No.	55
LM End	0.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			40.051229°	40.051229°
				-122.180434°	-122.180434°
DWR ID	DWR_NA0019_04_s_2019_55				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.51	Rating **	M	Issue No.	919
LM End	0.51	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			40.051211 °	40.051211 °
				-122.179663 °	-122.179663 °
DWR ID	20777				
Comment Code					
Inspector Comment					
DS_ID:20777					
FS_ID:54116					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 05/28/2019 Debris at the outlet needs to be cleared for proper flap gate operation. (O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.52) Drawing No. 50-4-3622].					
FS Date: 5/28/2019 9:54:39 AM					

Photo 1 of 3 : UCIP_FA_2019_54116_79551.jpg



Top of Levee

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	0.51	Rating **	M	Issue No.	919 (cont)	
LM End	0.51	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			40.051211 °		40.051211 °
				-122.179663 °		-122.179663 °
DWR ID	20777					
Comment Code						
Inspector Comment						
DS_ID:20777						
FS_ID:54116						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/28/2019 Debris at the outlet needs to be cleared for proper flap gate operation. (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.52) Drawing No. 50-4-3622].						
FS Date: 5/28/2019 9:54:39 AM						

Photo 2 of 3 : UCIP_FA_2019_54116_79552.jpg



Land-Side

LM Start	0.51	Rating **	M	Issue No.	919 (cont)
LM End	0.51	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_54116_79554.jpg



Water-Side

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	0.53	Rating **	C	Issue No.	56
LM End	0.53	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		40.051271 °	40.051271 °	
			-122.179307 °	-122.179307 °	
DWR ID	DWR_NA0019_04_s _ 2019_56				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.61	Rating **	C	Issue No.	57
LM End	0.61	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		40.051627 °	40.051627 °	
			-122.177881 °	-122.177881 °	
DWR ID	DWR_NA0019_04_s _ 2019_57				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	0.64	Rating **	M	Issue No.	920
LM End	0.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			40.051699 °	40.051699 °
				-122.177320 °	-122.177320 °
DWR ID	20778				
Comment Code					
Inspector Comment					
DS_ID:20778 FS_ID:54117 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/28/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal drainage pipe through the levee, 8.6 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.65) Drawing No. 50-4-3622]. FS Date: 5/28/2019 10:22:34 AM					

Photo 1 of 3 : UCIP_FA_2019_54117_79557.jpg



View of levee crown at crossing

LM Start	0.64	Rating **	M	Issue No.	920 (cont)
LM End	0.64	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_54117_79558.jpg



View of LS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	0.64	Rating **	M	Issue No.	920 (cont)	
LM End	0.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			40.051699 °	40.051699 °	
				-122.177320 °	-122.177320 °	
DWR ID	20778					
Comment Code						
Inspector Comment						
DS_ID:20778						
FS_ID:54117						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/28/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal drainage pipe through the levee, 8.6 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.65) Drawing No. 50-4-3622].						
FS Date: 5/28/2019 10:22:34 AM						

Photo 3 of 3 : UCIP_FA_2019_54117_79559.jpg



View of WS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	0.64	Rating **	M	Issue No.	921
LM End	0.64	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			40.051702°	40.051702°
				-122.177308°	-122.177308°
DWR ID	20880				
Comment Code					
Inspector Comment					
DS_ID:20880 FS_ID:54118 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/28/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)12/05/2016 Crossing has been downgraded from Urgent to Non-Urgent vegetation found on WS but does not appear to prevent proper function of flap gate. Recommend clearing dry vegetation on WS above concrete headwall.(O. Magana - DWR UCIP)10/03/2013 Flapgate operation hindered by soil and vegetation on WS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal drainage pipe through levee, 8.6 feet below crown. Flap gate and concrete "U" headwall located on the waterside (WS) end. Concrete "U" headwall located on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual, Unit 510, April 1963, As-built drawing No. 50-4-3622 (HLM 0.65)] FS Date: 5/28/2019 10:27:16 AM					

Photo 1 of 3 : UCIP_FA_2019_54118_79564.jpg



View of levee crown at crossing

LM Start	0.64	Rating **	M	Issue No.	921 (cont)
LM End	0.64	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_54118_79565.jpg



View of LS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	0.64	Rating **	M	Issue No.	921 (cont)	
LM End	0.64	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			40.051702°	40.051702°	
				-122.177308°	-122.177308°	
DWR ID	20880					
Comment Code						
Inspector Comment						
DS_ID:20880 FS_ID:54118 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/28/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)12/05/2016 Crossing has been downgraded from Urgent to Non-Urgent vegetation found on WS but does not appear to prevent proper function of flap gate. Recommend clearing dry vegetation on WS above concrete headwall.(O. Magana - DWR UCIP)10/03/2013 Flapgate operation hindered by soil and vegetation on WS toe. (W. Wylie - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal drainage pipe through levee, 8.6 feet below crown. Flap gate and concrete "U" headwall located on the waterside (WS) end. Concrete "U" headwall located on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual, Unit 510, April 1963, As-built drawing No. 50-4-3622 (HLM 0.65)] FS Date: 5/28/2019 10:27:16 AM						

Photo 3 of 3 : UCIP_FA_2019_54118_79566.jpg



View of WS

LM Start	0.68	Rating **	C	Issue No.	58
LM End	0.68	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			40.051719 °	40.051719 °
				-122.176629 °	-122.176629 °
DWR ID	DWR_NA0019_04_s_2019_58				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	0.73	Rating **	C	Issue No.	13
LM End	0.73	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			40.052003°	40.052003°
				-122.175687°	-122.175687°
DWR ID	DWR_NA0019_04_f_2016_13				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.75	Rating **	M	Issue No.	922
LM End	0.75	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			40.052194 °	40.052194 °
				-122.175390 °	-122.175390 °
DWR ID	20779				
Comment Code					
Inspector Comment					
DS_ID:20779 FS_ID:54119 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/28/2019 Pipe is partially filled with silt and debris. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.8 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.76) Drawing No. 50-4-3622]. FS Date: 5/28/2019 10:30:54 AM					

Photo 1 of 3 : UCIP_FA_2019_54119_79571.jpg



Top of Levee

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	0.75	Rating **	M	Issue No.	922 (cont)	
LM End	0.75	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			40.052194 °		40.052194 °
				-122.175390 °		-122.175390 °
DWR ID	20779					
Comment Code						
Inspector Comment						
DS_ID:20779 FS_ID:54119 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/28/2019 Pipe is partially filled with silt and debris. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.8 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.76) Drawing No. 50-4-3622]. FS Date: 5/28/2019 10:30:54 AM						

Photo 2 of 3 : UCIP_FA_2019_54119_79572.jpg



View of WS

LM Start	0.75	Rating **	M	Issue No.	922 (cont)
LM End	0.75	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_54119_79573.jpg



View of LS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	0.85	Rating **	C	Issue No.	59
LM End	0.85	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			40.052953 °	40.052953 °
				-122.173860 °	-122.173860 °
DWR ID	DWR_NA0019_04_s_2019_59				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	0.91	Rating **	M	Issue No.	923	
LM End	0.91	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			40.053401 °		40.053401 °
				-122.172848 °		-122.172848 °
DWR ID	20780					
Comment Code						
Inspector Comment						
DS_ID:20780						
FS_ID:54120						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/28/2019 Pipe is slightly filled with silt and debris.						
(O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe						
through the levee, 4.5 feet below the crown. Flap gate and concrete U-						
shaped headwall on the waterside (WS) end. Concrete U-shaped						
headwall on the landside (LS) end. [Additional Reference(s): DWR						
Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963,						
(HLM 0.93) Drawing No. 50-4-3622].						
FS Date: 5/28/2019 11:11:41 AM						

Photo 1 of 3 : UCIP_FA_2019_54120_79577.jpg



View of levee crown at the crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	0.91	Rating **	M	Issue No.	923 (cont)	
LM End	0.91	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			40.053401°	40.053401°	
				-122.172848°	-122.172848°	
DWR ID	20780					
Comment Code						
Inspector Comment						
DS_ID:20780 FS_ID:54120 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/28/2019 Pipe is slightly filled with silt and debris. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.5 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.93) Drawing No. 50-4-3622]. FS Date: 5/28/2019 11:11:41 AM						

Photo 2 of 3 : UCIP_FA_2019_54120_79578.jpg



Concrete U-shaped headwall on WS toe

LM Start	0.91	Rating **	M	Issue No.	923 (cont)
LM End	0.91	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_54120_79579.jpg



Concrete U-shaped headwall at LS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	0.92	Rating **	C	Issue No.	50
LM End	0.92	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		40.053420°	40.053420°	
			-122.172617°	-122.172617°	
DWR ID	DWR_NA0019_04_f_2017_50				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the downed tree from the waterside toe.					

No Photos

LM Start	1.04	Rating **	C	Issue No.	60
LM End	1.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		40.052639°	40.052639°	
			-122.170836°	-122.170836°	
DWR ID	DWR_NA0019_04_s_2019_60				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	1.07	Rating **	M	Issue No.	924
LM End	1.07	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			40.052400 °	40.052400 °
				-122.170279 °	-122.170279 °
DWR ID	20790				
Comment Code					
Inspector Comment					
DS_ID:20790					
FS_ID:54121					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 05/28/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 1.10) Drawing No. 50-4-3622].					
FS Date: 5/28/2019 11:19:17 AM					

Photo 1 of 3 : UCIP_FA_2019_54121_79582.jpg



View of WS with concrete U-shaped headwall and levee toe

LM Start	1.07	Rating **	M	Issue No.	924 (cont)
LM End	1.07	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_54121_79583.jpg



Concrete U-shaped headwall and flapgate on WS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	1.07	Rating **	M	Issue No.	924 (cont)	
LM End	1.07	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			40.052400 °	40.052400 °	
				-122.170279 °	-122.170279 °	
DWR ID	20790					
Comment Code						
Inspector Comment						
DS_ID:20790						
FS_ID:54121						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/28/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 1.10) Drawing No. 50-4-3622].						
FS Date: 5/28/2019 11:19:17 AM						

Photo 3 of 3 : UCIP_FA_2019_54121_79584.jpg



LS levee slope

LM Start	1.11	Rating **	M	Issue No.	925	
LM End	1.11	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			40.051958 °		40.051958 °
				-122.170031 °		-122.170031 °
DWR ID	20773					
Comment Code						
Inspector Comment						
DS_ID:20773 FS_ID:54123 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/28/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.1 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 1.12) Drawing No. 50-4-3622]. FS Date: 5/28/2019 11:34:16 AM						

Photo 1 of 3 : UCIP_FA_2019_54123_79589.jpg



View of levee crown at the crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	1.11	Rating **	M	Issue No.	925 (cont)	
LM End	1.11	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			40.051958 °		40.051958 °
				-122.170031 °		-122.170031 °
DWR ID	20773					
Comment Code						
Inspector Comment						
DS_ID:20773						
FS_ID:54123						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/28/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.1 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 1.12) Drawing No. 50-4-3622].						
FS Date: 5/28/2019 11:34:16 AM						

Photo 2 of 3 : UCIP_FA_2019_54123_79590.jpg



WS slope with concrete U-shaped headwall at the toe

LM Start	1.11	Rating **	M	Issue No.	925 (cont)
LM End	1.11	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_54123_79591.jpg



LS slope with concrete U-shaped headwall at the toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	1.12	Rating **	C	Issue No.	27
LM End	1.12	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		40.051950°	40.051950°	
			-122.169872°	-122.169872°	
DWR ID	DWR_NA0019_04_f_2016_27				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	1.15	Rating **	C	Issue No.	51
LM End	1.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		40.051848°	40.051848°	
			-122.169295°	-122.169295°	
DWR ID	DWR_NA0019_04_f_2017_51				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	1.26	Rating **	C	Issue No.	48
LM End	1.26	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		40.051722°	40.051722°	
			-122.167327°	-122.167327°	
DWR ID	DWR_NA0019_04_f_2018_48				
Comment Code					
TR : Tree or limb					
Inspector Comment					
Remove the tree limb from the crown roadway and levee slopes.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	1.27	Rating **	C	Issue No.	61
LM End	1.27	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			40.051640 °	40.051640 °
				-122.167080 °	-122.167080 °
DWR ID	DWR_NA0019_04_s_2019_61				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.30	Rating **	M	Issue No.	926
LM End	1.30	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			40.051563 °	40.051563 °
				-122.166630 °	-122.166630 °
DWR ID	20782				
Comment Code					
Inspector Comment					
DS_ID:20782					
FS_ID:54124					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 05/28/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.5 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 1.30) Drawing No. 50-4-3622].					
FS Date: 5/28/2019 12:41:38 PM					

Photo 1 of 3 : UCIP_FA_2019_54124_79596.jpg



View of levee crown at the crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	1.30	Rating **	M	Issue No.	926 (cont)	
LM End	1.30	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			40.051563 °		40.051563 °
				-122.166630 °		-122.166630 °
DWR ID	20782					
Comment Code						
Inspector Comment						
DS_ID:20782 FS_ID:54124 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/28/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 4.5 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 1.30) Drawing No. 50-4-3622]. FS Date: 5/28/2019 12:41:38 PM						

Photo 2 of 3 : UCIP_FA_2019_54124_79597.jpg



Water-Side

LM Start	1.30	Rating **	M	Issue No.	926 (cont)
LM End	1.30	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_54124_79598.jpg



Land-Side

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	1.30	Rating **	C	Issue No.	62
LM End	1.30	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		40.051538 °	40.051538 °	
			-122.166468 °	-122.166468 °	
DWR ID	DWR_NA0019_04_s_2019_62				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.36	Rating **	C	Issue No.	63
LM End	1.36	Issue Type +	Ma	Location *	CR
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		40.051428 °	40.051428 °	
			-122.165422 °	-122.165422 °	
DWR ID	DWR_NA0019_04_s_2019_63				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.39	Rating **	C	Issue No.	16
LM End	1.39	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		40.051493 °	40.051493 °	
			-122.164935 °	-122.164935 °	
DWR ID	DWR_NA0019_04_f_2014_16				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	1.39	Rating **	C	Issue No.	28
LM End	1.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			40.051521°	40.051521°
				-122.164877°	-122.164877°
DWR ID	DWR_NA0019_04_f_2016_28				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.43	Rating **	A/W	Issue No.	49
LM End	1.49	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			40.051596 °	40.051979 °
				-122.164179 °	-122.163106 °
DWR ID	DWR_NA0019_04_s_2012_9				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:179					
Site Designation:DWR_NA0019_04_s_2012_9					
Repair Type: Erosion					
Rating:Serious					
Field Date:6/6/2017					
Notes: Rip rap armors the river bank (appears placed in recent years).					
The erosion scarp is 10' below the berm at a vertical angle.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	1.43	Rating **	A/W	Issue No.	5
LM End	1.49	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			40.051596°	40.051979°
				-122.164179°	-122.163106°
DWR ID	DWR_ST0010_02_f_2022_15				
Comment Code					
Inspector Comment					
2017 Site ID: ELC 1.4 L					
Status: Eroding					
2017 Field Notes: A large quarry stone placed since last inspection.					
Site History: 2006 - High vertical bank due to mass failures. Thalweg meandering and erosion of bank. Banks are cohesive with non-cohesive gravel horizons. 2011 - Foundation is silty-sand with gravel.					
New slumping at the toe, mass failure continues.					

No Photos

LM Start	1.44	Rating **	C	Issue No.	29
LM End	1.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.051785 °	40.051785 °
				-122.164075 °	-122.164075 °
DWR ID	DWR_NA0019_04_f_2016_29				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	1.56	Rating **	M	Issue No.	927
LM End	1.56	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			40.052495 °	40.052495 °
				-122.161921 °	-122.161921 °
DWR ID	20783				
Comment Code					
Inspector Comment					
DS_ID:20783 FS_ID:54125 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/28/2019 Pipe is partially filled with silt and debris. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.8 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 1.57) Drawing No. 50-4-3622]. FS Date: 5/28/2019 12:53:39 PM					

Photo 1 of 3 : UCIP_FA_2019_54125_79602.jpg



View of levee crown at the crossing

LM Start	1.56	Rating **	M	Issue No.	927 (cont)
LM End	1.56	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_54125_79603.jpg



Water-Side

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	1.56	Rating **	M	Issue No.	927 (cont)	
LM End	1.56	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			40.052495 °	40.052495 °	
				-122.161921 °	-122.161921 °	
DWR ID	20783					
Comment Code						
Inspector Comment						
DS_ID:20783 FS_ID:54125 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/28/2019 Pipe is partially filled with silt and debris. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.8 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 1.57) Drawing No. 50-4-3622]. FS Date: 5/28/2019 12:53:39 PM						

Photo 3 of 3 : UCIP_FA_2019_54125_79604.jpg



Land-Side

LM Start	1.59	Rating **	A/W	Issue No.	3
LM End	1.59	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.052607 °	40.052705 °
				-122.161418 °	-122.161442 °
DWR ID	DWR_NA0019_04_f_2018_3				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					
Tehama Co. repaired the slope that was damaged by vehicle traffic, but the damage has returned. On 4/26/16, vehicle erosion area was repaired again, but should be monitored.					

Photo 1 of 2 : FA_2019_NA0019_81_3_20190822_00003.jpg



View of a dip along the levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	1.59	Rating **	A/W	Issue No.	3 (cont)	
LM End	1.59	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Slope Stability			40.052607 °	40.052705 °	
				-122.161418 °	-122.161442 °	
DWR ID	DWR_NA0019_04_f_2018_3					
Comment Code						
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.						
Inspector Comment						
Tehama Co. repaired the slope that was damaged by vehicle traffic, but the damage has returned. On 4/26/16, vehicle erosion area was repaired again, but should be monitored.						

Photo 2 of 2 : FA_2019_NA0019_81_3_20190822_00004.jpg



View of the levee slope damaged by vehicle traffic.

LM Start	1.69	Rating **	M	Issue No.	932
LM End	1.69	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			40.053590 °	40.053590 °
				-122.159982 °	-122.159982 °
DWR ID	20786				
Comment Code					
Inspector Comment					
DS_ID:20786					
FS_ID:54130					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 05/28/2019 Brush at pipe outlet, but doesn't seem to affect flap gate operation. (O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: 1 of 3: 36-inch corrugated metal drainage pipe through the levee, 7.3 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 1.70) Drawing No. 50-4-3622].					
FS Date: 5/28/2019 2:18:51 PM					

Photo 1 of 3 : UCIP_FA_2019_54130_79635.jpg



View of levee crown at the crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	1.69	Rating **	M	Issue No.	932 (cont)	
LM End	1.69	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			40.053590 °		40.053590 °
				-122.159982 °		-122.159982 °
DWR ID	20786					
Comment Code						
Inspector Comment						
DS_ID:20786 FS_ID:54130 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/28/2019 Brush at pipe outlet, but doesn't seem to affect flap gate operation. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 1 of 3: 36-inch corrugated metal drainage pipe through the levee, 7.3 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 1.70) Drawing No. 50-4-3622]. FS Date: 5/28/2019 2:18:51 PM						

LM Start	1.69	Rating **	M	Issue No.	932 (cont)
LM End	1.69	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_54130_79636.jpg



View of LS

Photo 3 of 3 : UCIP_FA_2019_54130_79637.jpg



View of WS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	1.69	Rating **	M	Issue No.	933
LM End	1.69	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			40.053601 °	40.053601 °
				-122.159966 °	-122.159966 °
DWR ID	20883				
Comment Code					
Inspector Comment					
DS_ID:20883					
FS_ID:54131					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 05/28/2019 Brush at pipe outlet, but doesn't seem to affect flap gate operation. (O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: 2 of 3: 36-inch corrugated metal drainage pipe through the levee, 7.3 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 1.70) Drawing No. 50-4-3622].					
FS Date: 5/28/2019 2:24:53 PM					

Photo 1 of 3 : UCIP_FA_2019_54131_79641.jpg



View of levee crown at the crossing

LM Start	1.69	Rating **	M	Issue No.	933 (cont)
LM End	1.69	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_54131_79642.jpg



View of LS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	1.69	Rating **	M	Issue No.	933 (cont)	
LM End	1.69	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			40.053601 °	40.053601 °	
				-122.159966 °	-122.159966 °	
DWR ID	20883					
Comment Code						
Inspector Comment						
DS_ID:20883						
FS_ID:54131						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/28/2019 Brush at pipe outlet, but doesn't seem to affect flap gate operation. (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 2 of 3: 36-inch corrugated metal drainage pipe through the levee, 7.3 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 1.70) Drawing No. 50-4-3622].						
FS Date: 5/28/2019 2:24:53 PM						

Photo 3 of 3 : UCIP_FA_2019_54131_79643.jpg



View of WS

LM Start	1.69	Rating **	M	Issue No.	934
LM End	1.69	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			40.053614 °	40.053614 °
				-122.159956 °	-122.159956 °
DWR ID	20884				
Comment Code					
Inspector Comment					
DS_ID:20884					
FS_ID:54132					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 05/28/2019 Brush at pipe outlet, but doesn't seem to affect flap gate operation. (O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: 3 of 3: 36-inch corrugated metal drainage pipe through the levee, 7.3 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 1.70) Drawing No. 50-4-3622].					
FS Date: 5/28/2019 2:26:20 PM					

Photo 1 of 3 : UCIP_FA_2019_54132_79647.jpg



View of levee crown at the crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	1.69	Rating **	M	Issue No.	934 (cont)	
LM End	1.69	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			40.053614 °		40.053614 °
				-122.159956 °		-122.159956 °
DWR ID	20884					
Comment Code						
Inspector Comment						
DS_ID:20884 FS_ID:54132 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/28/2019 Brush at pipe outlet, but doesn't seem to affect flap gate operation. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 3 of 3: 36-inch corrugated metal drainage pipe through the levee, 7.3 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 1.70) Drawing No. 50-4-3622]. FS Date: 5/28/2019 2:26:20 PM						

Photo 2 of 3 : UCIP_FA_2019_54132_79648.jpg



View of LS

LM Start	1.69	Rating **	M	Issue No.	934 (cont)
LM End	1.69	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_54132_79649.jpg



View of WS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	1.85	Rating **	C	Issue No.	65
LM End	1.85	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			40.053187 °	40.053187 °
				-122.157214 °	-122.157214 °
DWR ID	DWR_NA0019_04_s_2019_65				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	1.99	Rating **	M	Issue No.	935
LM End	1.99	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			40.052731 °	40.052731 °
				-122.154695 °	-122.154695 °
DWR ID	20787				
Comment Code					
Inspector Comment					
DS_ID:20787					
FS_ID:54133					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 05/28/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal drainage pipe through the levee, 7.6 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 2.01) Drawing No. 50-4-3622].					
FS Date: 5/28/2019 2:33:09 PM					

Photo 1 of 3 : UCIP_FA_2019_54133_79654.jpg



View of levee crown at the crossing

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	1.99	Rating **	M	Issue No.	935 (cont)	
LM End	1.99	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			40.052731 °		40.052731 °
				-122.154695 °		-122.154695 °
DWR ID	20787					
Comment Code						
Inspector Comment						
DS_ID:20787						
FS_ID:54133						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/28/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 1 of 2: 36-inch corrugated metal drainage pipe through the levee, 7.6 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 2.01) Drawing No. 50-4-3622].						
FS Date: 5/28/2019 2:33:09 PM						

Photo 2 of 3 : UCIP_FA_2019_54133_79655.jpg



View of WS

LM Start	1.99	Rating **	M	Issue No.	935 (cont)
LM End	1.99	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_54133_79656.jpg



View of LS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	1.99	Rating **	M	Issue No.	936	
LM End	1.99	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			40.052729 °		40.052729 °
				-122.154673 °		-122.154673 °
DWR ID	20885					
Comment Code						
Inspector Comment						
DS_ID:20885						
FS_ID:54134						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/28/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal drainage pipe through the levee, 7.6 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 2.01) Drawing No. 50-4-3622].						
FS Date: 5/28/2019 2:38:32 PM						

Photo 1 of 3 : UCIP_FA_2019_54134_79660.jpg



View of levee crown at the crossing

LM Start	1.99	Rating **	M	Issue No.	936 (cont)
LM End	1.99	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_54134_79661.jpg



View of WS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	1.99	Rating **	M	Issue No.	936 (cont)	
LM End	1.99	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			40.052729 °		40.052729 °
				-122.154673 °		-122.154673 °
DWR ID	20885					
Comment Code						
Inspector Comment						
DS_ID:20885 FS_ID:54134 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/28/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal drainage pipe through the levee, 7.6 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 2.01) Drawing No. 50-4-3622]. FS Date: 5/28/2019 2:38:32 PM						

Photo 3 of 3 : UCIP_FA_2019_54134_79662.jpg



View of LS

LM Start	2.18	Rating **	M	Issue No.	66
LM End	2.18	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			40.051944 °	40.051944 °
				-122.151302 °	-122.151302 °
DWR ID	DWR_NA0019_04_s_2019_66				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	2.21	Rating **	M	Issue No.	937	
LM End	2.21	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			40.051985 °		40.051985 °
				-122.150737 °		-122.150737 °
DWR ID	20788					
Comment Code						
Inspector Comment						
DS_ID:20788						
FS_ID:54135						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/28/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.9 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 2.24) Drawing No. 50-4-3622].						
FS Date: 5/28/2019 2:44:10 PM						

Photo 1 of 3 : UCIP_FA_2019_54135_79666.jpg



View of levee crown at the crossing

LM Start	2.21	Rating **	M	Issue No.	937 (cont)
LM End	2.21	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_54135_79667.jpg



View of WS

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	2.21	Rating **	M	Issue No.	937 (cont)	
LM End	2.21	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP LMA Responsibility			40.051985 °	40.051985 °	
				-122.150737 °	-122.150737 °	
DWR ID	20788					
Comment Code						
Inspector Comment						
DS_ID:20788						
FS_ID:54135						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 05/28/2019 No issues recorded during inspection (O.Yakimov - DWR UCIP)						
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.9 feet below the crown. Flap gate and concrete U-shaped headwall on the waterside (WS) end. Concrete U-shaped headwall on the landside (LS) end. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 2.24) Drawing No. 50-4-3622].						
FS Date: 5/28/2019 2:44:10 PM						

Photo 3 of 3 : UCIP_FA_2019_54135_79669.jpg



View of LS

LM Start	2.32	Rating **	M	Issue No.	12
LM End	2.32	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.052443 °	40.052443 °
				-122.148863 °	-122.148863 °
DWR ID	DWR_NA0019_04_f_2013_12				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0019_81_12_20190822_00007.jpg



View of the slope instability caused by vehicles along the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Tehama County Flood Control and Water Conservation District

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	2.58	Rating **	M	Issue No.	32
LM End	2.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.053767 °	40.053767 °
				-122.144719 °	-122.144719 °
DWR ID	DWR_NA0019_04_f_2016_32				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0019_81_32_20190822_00018.jpg



View of the slope instability caused by vehicles along the landside slope.

LM Start	2.63	Rating **	C	Issue No.	15
LM End	2.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			40.054337 °	40.054337 °
				-122.144235 °	-122.144235 °
DWR ID	DWR_NA0019_04_s_2015_15				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove the prunings from the landside toe.					

No Photos

LM Start	2.77	Rating **	M	Issue No.	4
LM End	2.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			40.054978 °	40.054978 °
				-122.142027 °	-122.142027 °
DWR ID	DWR_NA0019_04_s_2019_4				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Runoff is causing erosion rills in this area. The rills should be repaired.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	3.02	Rating **	A/W	Issue No.	33
LM End	3.02	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		40.056388 °	40.056388 °	
			-122.139003 °	-122.139003 °	
DWR ID	DWR_NA0019_04_f_2016_33				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	3.04	Rating **	A/W	Issue No.	34
LM End	3.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		40.056353 °	40.056353 °	
			-122.138656 °	-122.138656 °	
DWR ID	DWR_NA0019_04_f_2016_34				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	3.09	Rating **	N	Issue No.	36
LM End	3.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		40.056825 °	40.056825 °	
			-122.138088 °	-122.138088 °	
DWR ID	DWR_NA0019_04_f_2016_36				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					
There are 5 tree stumps at this location.					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	3.13	Rating **	M	Issue No.	67
LM End	3.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.057332 °	40.057332 °
				-122.137673 °	-122.137673 °
DWR ID	DWR_NA0019_04_s_2019_67				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove cactus from the waterside slope.					

No Photos

LM Start	3.13	Rating **	M	Issue No.	25
LM End	3.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			40.057350 °	40.057350 °
				-122.137667 °	-122.137667 °
DWR ID	DWR_NA0019_04_f_2015_25				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0019_81_25_20190822_00014.jpg



View of the slope instability caused by vehicles along the landside slope.

LM Start	3.29	Rating **	M	Issue No.	37
LM End	3.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.057685 °	40.057685 °
				-122.134770 °	-122.134770 °
DWR ID	DWR_NA0019_04_f_2016_37				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side N/A : Not Applicable		A : Acceptable		Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable		Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable		En : Enforcement	
		N : Not Inspected/Rated			
		C : Corrected			
		A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	3.31	Rating **	M	Issue No.	38
LM End	3.31	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.057590 °	40.057590 °
				-122.134508 °	-122.134508 °
DWR ID	DWR_NA0019_04_f_2016_38				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	3.40	Rating **	M	Issue No.	39
LM End	3.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.056546 °	40.055906 °
				-122.133530 °	-122.133294 °
DWR ID	DWR_NA0019_04_f_2016_39				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0019_81_39_20190822_00019.jpg



View of the blackberries along the landside slope blocking visibility and access.

LM Start	3.69	Rating **	M	Issue No.	7
LM End	3.72	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.055920 °	40.055945 °
				-122.128948 °	-122.128310 °
DWR ID	DWR_NA0019_04_s_2012_7				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	3.98	10/30/2019 10/30/2019	Makar Sokol

LM Start	3.85	Rating **	M	Issue No.	68
LM End	3.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.054539 °	40.054539 °
				-122.126782 °	-122.126782 °
DWR ID	DWR_NA0019_04_s _ 2019_68				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/30/2019 10/30/2019	Makar Sokol

LM Start	0.11	Rating **	M	Issue No.	20
LM End	0.11	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			40.051702 °	40.051702 °
				-122.189922 °	-122.189922 °
DWR ID	20799				
Comment Code					
Inspector Comment					
DS_ID:20799					
FS_ID:54066					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 05/28/2019 Debris at the outlet needs to be cleared for proper flap gate operation. (O.Yakimov - DWR UCIP)					
FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on the WS and landside (LS) ends. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.11) Drawing No. 50-4-3622].					
FS Date: 5/28/2019 1:31:26 PM					

Photo 1 of 3 : UCIP_FA_2019_54066_79377.jpg



View of levee crown at crossing

LM Start	0.11	Rating **	M	Issue No.	20 (cont)
LM End	0.11	Issue Type +	Ma	Location *	

Photo 2 of 3 : UCIP_FA_2019_54066_79378.jpg



View of headwall at LS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/30/2019 10/30/2019	Makar Sokol

LM Start	0.11	Rating **	M	Issue No.	20 (cont)
LM End	0.11	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			40.051702 °	40.051702 °
				-122.189922 °	-122.189922 °
DWR ID	20799				
Comment Code					
Inspector Comment					
DS_ID:20799 FS_ID:54066 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/28/2019 Debris at the outlet needs to be cleared for proper flap gate operation. (O.Yakimov - DWR UCIP) FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.4 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on the WS and landside (LS) ends. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.11) Drawing No. 50-4-3622]. FS Date: 5/28/2019 1:31:26 PM					

Photo 3 of 3 : UCIP_FA_2019_54066_79379.jpg



Inside of pipe looking from LS inlet

LM Start	0.50	Rating **	M	Issue No.	21
LM End	0.50	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP LMA Responsibility			40.050585 °	40.050585 °
				-122.182972 °	-122.182972 °
DWR ID	20801				
Comment Code					
Inspector Comment					
DS_ID:20801 FS_ID:54069 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/28/2019 No issues recorded during inspection. (O.Yakimov - DWR UCIP) Debris inside pipe at WS toe needs to be removed as it may prevent proper operation of the flapgate. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on the WS and landside (LS) ends. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.51) Drawing No. 50-4-3622]. FS Date: 5/28/2019					

Photo 1 of 3 : UCIP_FA_2019_54069_79394.jpg



View of levee crown at the crossing

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/30/2019 10/30/2019	Makar Sokol

LM Start	0.50	Rating **	M	Issue No.	21 (cont)	
LM End	0.50	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP LMA Responsibility			40.050585 °		40.050585 °
				-122.182972 °		-122.182972 °
DWR ID	20801					
Comment Code						
Inspector Comment						
DS_ID:20801 FS_ID:54069 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 05/28/2019 No issues recorded during inspection. (O.Yakimov - DWR UCIP)Debris inside pipe at WS toe needs to be removed as it may prevent proper operation of the flapgate. FIELD_STRUCT_DESC: 24-inch corrugated metal drainage pipe through the levee, 5.2 feet below the crown. Flap gate on the waterside (WS) end. Concrete U-shaped headwalls on the WS and landside (LS) ends. [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 510, April 1963, (HLM 0.51) Drawing No. 50-4-3622]. FS Date: 5/28/2019						

Photo 2 of 3 : UCIP_FA_2019_54069_79395.jpg



Headwall at WS toe

LM Start	0.50	Rating **	M	Issue No.	21 (cont)
LM End	0.50	Issue Type +	Ma	Location *	

Photo 3 of 3 : UCIP_FA_2019_54069_79396.jpg



Flap gate at WS toe

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/30/2019 10/30/2019	Makar Sokol

LM Start	0.69	Rating **	C	Issue No.	6
LM End	0.69	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			40.050287°	40.050287°
				-122.179464°	-122.179464°
DWR ID	DWR_NA0019_05_s_2019_6				
Comment Code					
T2 : Thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trees four inches in diamater or less at the chest height should be removed from the waterside toe.					

No Photos

LM Start	0.94	Rating **	C	Issue No.	8
LM End	1.05	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			40.051360 °	40.052361 °
				-122.175063 °	-122.173450 °
DWR ID	DWR_NA0019_05_f_2015_8				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.95	Rating **	C	Issue No.	12
LM End	2.95	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			40.054301 °	40.054301 °
				-122.141470 °	-122.141470 °
DWR ID	DWR_NA0019_05_s_2019_12				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/30/2019 10/30/2019	Makar Sokol

LM Start	3.01	Rating **	A/W	Issue No.	1
LM End	3.03	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			40.054730 °	40.054970 °
				-122.140578 °	-122.140238 °
DWR ID	DWR_ST0010_02_f_2022_10				
Comment Code					
Inspector Comment					
2017 Site ID: ELC 3.0 R					
Status: Eroding					
2017 Field Notes: Does not appear to have new erosion , channel was being dredged during inspection.					
Site History: 2006 - Mass failure of this bank due to being along the outside of a bend where erosion and undercutting are the greatest. Low flow is being forced into the toe of this bank by point bar on the opposite side of the creek. 2011 - Toe of the bank continues to be undercut.					

No Photos

LM Start	3.12	Rating **	M	Issue No.	11
LM End	3.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.055632°	40.055607°
				-122.138910°	-122.138868°
DWR ID	DWR_NA0019_05_s_2012_11				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/30/2019 10/30/2019	Makar Sokol

LM Start	3.12	Rating **	C	Issue No.	17
LM End	3.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			40.055500 °	40.055500 °
				-122.138841 °	-122.138841 °
DWR ID	DWR_NA0019_05_f_2016_17				
Comment Code					
T4 : Trim trees over roadway to at least 12 feet above ground level.					
Inspector Comment					

No Photos

LM Start	3.30	Rating **	M	Issue No.	9
LM End	3.76	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			40.056831 °	40.054862 °
				-122.136365 °	-122.129279 °
DWR ID	DWR_NA0019_05_s_2012_9				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	3.35	Rating **	U	Issue No.	10
LM End	3.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			40.056875 °	40.056875 °
				-122.135349 °	-122.135349 °
DWR ID	DWR_NA0019_05_s_2016_10				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Erosion rut runs down the landside slope from crown to toe.					

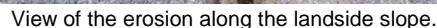
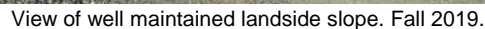
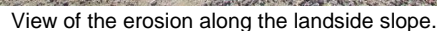
Photo 1 of 1 : FA_2019_NA0019_82_10_20190822_00005.jpg



View of the erosion along the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Tehama County Flood Control and Water Conservation District



**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2019

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.87	10/30/2019 10/30/2019	Makar Sokol

LM Start	3.76	Rating **	U	Issue No.	18
LM End	3.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			40.054829 °	40.054829 °
				-122.129329 °	-122.129329 °
DWR ID	DWR_NA0019_05_f_2016_18				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					

Photo 1 of 1 : FA_2019_NA0019_82_18_20190822_00006.jpg



View of the erosion along the landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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